



RAW SEQUENCE LISTING

ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/236,995

Art Unit / Team No.: 01P6

Date Processed by STIC: 2/10/99

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>09/236,995</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".	
2 <input type="checkbox"/> Wrapped Aminos	The amino acid number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".	
3 <input type="checkbox"/> Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces. All text must be visible on page.	
4 <input type="checkbox"/> Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.	
5 <input type="checkbox"/> Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.	
6 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's which represent more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) features section that some may be missing.	
7 <input type="checkbox"/> Wrong Designation	Sequence(s) <input type="checkbox"/> contain amino acid or nucleic acid designators which are not standard representations as per the Sequence Rules (Please refer to paragraph 1.822)	
8 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please use the following format for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (I) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS") (xI) SEQUENCE DESCRIPTION:SEQ ID NO:X: This sequence is intentionally skipped Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).	
9 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please use the following format for each skipped sequence. <210> sequence id number <400> sequence id number 000	
10 <input type="checkbox"/> Use of N's or Xaa's (NEW RULES)	Use of N's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present.	
11 <input type="checkbox"/> Use of <213>Organism (NEW RULES)	Sequence(s) <input type="checkbox"/> are missing this mandatory field or its response.	
12 <input type="checkbox"/> Use of <220>Feature (NEW RULES)	Sequence(s) <input type="checkbox"/> are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown" (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Sequence Rules)	
13 <input type="checkbox"/> Wrong Format	File submitted was in the alphabetical heading format of the Old Sequence Rules. This is invalid since the "Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Disclosures" Federal Register Notice, Vol. 63, No. 104, June 1, 1998, p. 29620 applies to applications filed on or after July 1, 1998.	

Input Set: I236995.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

1 <110> APPLICANT: Mahajan, Pramod B.
2 Zuo, Zhuang
3 <120> TITLE OF INVENTION: Poly ADP-Ribose Polymerase Gene and Its Uses
4 <130> FILE REFERENCE: 5718-34, 035718-174234
5 <140> CURRENT APPLICATION NUMBER: US/09/236,995
6 <141> CURRENT FILING DATE: 1999-01-26
7 <150> EARLIER APPLICATION NUMBER: 60/072,785
8 <151> EARLIER FILING DATE: 1998-01-27
9 <160> NUMBER OF SEQ ID NOS: 5
10 <170> SOFTWARE: PatentIn Ver. 2.0
11 <210> SEQ ID NO 1
12 <211> LENGTH: 2949
13 <212> TYPE: DNA
14 <213> ORGANISM: Zea mays
15 <220> FEATURE:
16 <221> NAME/KEY: CDS
17 <222> LOCATION: (1)..(2949)
18 <400> SEQUENCE: 1
19 atg gcg gcg ccg cca aag gcg tgg aag gcg gag tat gcc aag tct ggg 48
20 Met Ala Ala Pro Pro Lys Ala Trp Lys Ala Glu Tyr Ala Lys Ser Gly
21 1 5 10 15
22 cgg gcc tcg tgc aag tca tgc cgg tcc cct atc gcc aag gac cag ctc 96
23 Arg Ala Ser Cys Lys Ser Cys Arg Ser Pro Ile Ala Lys Asp Gln Leu
24 20 25 30
25 cgt ctt ggc aag atg gtt cag gcg tca cag ttc gac ggc ttc atg ccg 144
26 Arg Leu Gly Lys Met Val Gln Ala Ser Gln Phe Asp Gly Phe Met Pro
27 35 40 45
28 atg tgg aac cat gcc agg tgc atc ttc agc aag aac cag ata aaa 192
29 Met Trp Asn His Ala Arg Cys Ile Phe Ser Lys Lys Asn Gln Ile Lys
30 50 55 60
31 tcc gtt gac gat gtt gaa ggg ata gat gca ctt aga tgg gat gat caa 240
32 Ser Val Asp Asp Val Glu Gly Ile Asp Ala Leu Arg Trp Asp Asp Gln
33 65 70 75 80
34 gag aag ata cga aac tac gtt ggg agt gcc tca gct ggt aca agt tct 288
35 Glu Lys Ile Arg Asn Tyr Val Gly Ser Ala Ser Ala Gly Thr Ser Ser
36 85 90 95
37 aca gct gct cct cct gag aaa tgt aca att gag att gct cca tct gcc 336
38 Thr Ala Ala Pro Pro Glu Lys Cys Thr Ile Glu Ile Ala Pro Ser Ala
39 100 105 110
40 cgt act tca tgt aga cga tgc agt gaa aag att aca aaa gga tcg gtc 384
41 Arg Thr Ser Cys Arg Arg Cys Ser Glu Lys Ile Thr Lys Gly Ser Val
42 115 120 125
43 cgt ctt tca gct aag ctt gag agt gaa ggt ccc aag ggt ata cca tgg 432
44 Arg Leu Ser Ala Lys Leu Glu Ser Glu Gly Pro Lys Gly Ile Pro Trp

Does Not Comply
Corrected Diskette Needed

PP. 314

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/236,995DATE: 02/10/1999
TIME: 15:39:15

Input Set: I236995.RAW

45	130	135	140	
46	tat cat gcc aac tgt ttc ttt gag gta tcc ccg tct gca act gtt gag			480
47	Tyr His Ala Asn Cys Phe Phe Glu Val Ser Pro Ser Ala Thr Val Glu			
48	145	150	155	160
49	aag ttc tca ggc tgg gat act ttg tcc gat gag gat aag aga acc atg			528
50	Lys Phe Ser Gly Trp Asp Thr Leu Ser Asp Glu Asp Lys Arg Thr Met			
51	165	170	175	
52	ctc gat ctt gtt aaa aaa gat gtt ggc aac aat gaa caa aat aag ggt			576
53	Leu Asp Leu Val Lys Lys Asp Val Gly Asn Asn Glu Gln Asn Lys Gly			
54	180	185	190	
55	tcc aag cgc aag aaa agt gaa aat gat att gat agc tac aaa tcc gcc			624
56	Ser Lys Arg Lys Ser Glu Asn Asp Ile Asp Ser Tyr Lys Ser Ala			
57	195	200	205	
58	agg tta gat gaa agt aca tct gaa ggt aca gtg cga aac aaa ggg caa			672
59	Arg Leu Asp Glu Ser Thr Ser Glu Gly Thr Val Arg Asn Lys Gly Gln			
60	210	215	220	
61	ctt gta gac cca cgt ggt tcc aat act agt tca gct gat atc caa cta			720
62	Leu Val Asp Pro Arg Gly Ser Asn Thr Ser Ser Ala Asp Ile Gln Leu			
63	225	230	235	240
64	aag ctt aag gag caa agt gac aca ctt tgg aag tta aag gat gga ctt			768
65	Lys Leu Lys Glu Gln Ser Asp Thr Leu Trp Lys Leu Lys Asp Gly Leu			
66	245	250	255	
67	aag act cat gta tcg gct gct gaa tta agg gat atg ctt gag gct aat			816
68	Lys Thr His Val Ser Ala Ala Glu Leu Arg Asp Met Leu Glu Ala Asn			
69	260	265	270	
70	ggg cag gat aca tca gga cca gaa agg cac cta ttg gat cgc tgt gcg			864
71	Gly Gln Asp Thr Ser Gly Pro Glu Arg His Leu Leu Asp Arg Cys Ala			
72	275	280	285	
73	gat gga atg cta ttt gga gcg ctg ggt cct tgc cca gtc tgt gct aat			912
74	Asp Gly Met Leu Phe Gly Ala Leu Gly Pro Cys Pro Val Cys Ala Asn			
75	290	295	300	
76	ggc atg tac tat tat aat ggt cag tac caa tgc agt ggt aat gtg tca			960
77	Gly Met Tyr Tyr Tyr Asn Gly Gln Tyr Gln Cys Ser Gly Asn Val Ser			
78	305	310	315	320
79	gag tgg tcc aag tgt aca tac tct gcc aca gaa cct gtc cgc gtt aag			1008
80	Glu Trp Ser Lys Cys Thr Tyr Ser Ala Thr Glu Pro Val Arg Val Lys			
81	325	330	335	
82	aag aag tgg caa att cca cat gga aca aag aat gat tac ctt atg aag			1056
83	Lys Lys Trp Gln Ile Pro His Gly Thr Lys Asn Asp Tyr Leu Met Lys			
84	340	345	350	
85	tgg ttc aaa tct caa aag gtt aag aaa cca gag agg gtt ctt cca cca			1104
86	Trp Phe Lys Ser Gln Lys Val Lys Lys Pro Glu Arg Val Leu Pro Pro			
87	355	360	365	
88	atg tca cct gag aaa tct gga agt aaa gca act cag aga aca tca ttg			1152
89	Met Ser Pro Glu Lys Ser Gly Ser Lys Ala Thr Gln Arg Thr Ser Leu			
90	370	375	380	
91	ctg tct tct aaa ggg ttg gat aaa tta agg ttt tct gtt gta gga caa			1200
92	Leu Ser Ser Lys Gly Leu Asp Lys Leu Arg Phe Ser Val Val Gly Gln			
93	385	390	395	400
94	tca aaa gaa gca gca aat gag tgg att gag aag ctc aaa ctt gct ggt			1248

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/236,995DATE: 02/10/1999
TIME: 15:39:15

Input Set: I236995.RAW

95	Ser Lys Glu Ala Ala Asn Glu Trp Ile Glu Lys Leu Lys Leu Ala Gly			
96	405	410	415	
97	gcc aac ttc tat gcc agg gtt gtc aaa gat att gat tgt tta att gca		1296	
98	Ala Asn Phe Tyr Ala Arg Val Val Lys Asp Ile Asp Cys Leu Ile Ala			
99	420	425	430	
100	tgt ggt gag ctc gac aat gaa aat gct gaa gtc agg aaa gca agg agg		1344	
101	Cys Gly Glu Leu Asp Asn Glu Asn Ala Glu Val Arg Lys Ala Arg Arg			
102	435	440	445	
103	ctg aag ata cca att gta agg gag ggt tac att gga gaa tgt gtt aaa		1392	
104	Leu Lys Ile Pro Ile Val Arg Glu Gly Tyr Ile Gly Glu Cys Val Lys			
105	450	455	460	
106	aga aca aaa tgc tgc cat ttg att tgt ata aac tgg aat gcc tta gag		1440	
107	Arg Thr Lys Cys Cys His Leu Ile Cys Ile Asn Trp Asn Ala Leu Glu			
108	465	470	475	480
109	tcc tca aaa ggc mgt act gtc act gtt aaa gtt aag ggc cga agt gct		1488	
110	Ser Ser Lys Gly Xaa Thr Val Thr Val Lys Val Lys Gly Arg Ser Ala			
111	485	490	495	
112	tgt tca tya agt cct cyg gtt tgc aag aat act gct cac att cct tra		1536	
113	Cys Ser Xaa Ser Pro Xaa Val Cys Lys Asn Thr Ala His Ile Pro Xaa			
114	500	505	510	
W--> 115	gra tgg gaa aag cat ata caa tgc amc ctt aaa cat gtt ctg acc tgn			
	Xaa Trp Glu Lys His Ile Gln Cys Xaa Leu Lys His Val Leu Thr Xaa			
	515	520	525	
W--> 118	cac (nag) gtg tgy aca ggc tac tat gta ctc cag atc att gaa cag ·gat		1632	
	His Xaa Val Xaa Thr Gly Tyr Tyr Val Leu Gln Ile Ile Glu Gln Asp		summary	
	530	535	540	
120	gat ggg tct gag tgc tac gta ttt cgt aag tgg gga cgg gtt ggg agt		1680	
121	Asp Gly Ser Glu Cys Tyr Val Phe Arg Lys Trp Gly Arg Val Gly Ser			
122	545	550	555	560
123	gag aaa att gga ggg caa aaa ctg gag gag atg tca aaa act gag gca		1728	
124	Glu Lys Ile Gly Gly Gln Lys Leu Glu Glu Met Ser Lys Thr Glu Ala			
125	565	570	575	
126	atc aag gaa ttc aaa aga tta ttt ctt gag aag act gga aac tca tgg		1776	
127	Ile Lys Glu Phe Lys Arg Leu Phe Leu Glu Lys Thr Gly Asn Ser Trp			
128	580	585	590	
129	gaa gct tgg gaa tgt aaa acc aat ttt cgg aag cag cct ggg aga ttt		1824	
130	Glu Ala Trp Glu Cys Lys Thr Asn Phe Arg Lys Gln Pro Gly Arg Phe			
131	595	600	605	
132	tac cca ctt gat gtt gat tat ggt gtt aag aaa gca cca aaa cgg aaa		1872	
133	Tyr Pro Leu Asp Val Asp Tyr Gly Val Lys Lys Ala Pro Lys Arg Lys			
134	610	615	620	
135	gat atc agt gaa atg aaa agt tct ctt gct cct caa ttg cta gaa ctc		1920	
136	Asp Ile Ser Glu Met Lys Ser Ser Leu Ala Pro Gln Leu Leu Glu Leu			
137	625	630	635	640
138	atg aag atg ctt ttc aat gtg gag aca tat aga gct gct atg atg gaa		1968	
139	Met Lys Met Leu Phe Asn Val Glu Thr Tyr Arg Ala Ala Met Met Glu			
140	645	650	655	
141	ttt gaa awt aat atg tca gaa atg cct ctt ggg aag cta agc mag gra		2016	
142	Phe Glu Xaa Asn Met Ser Glu Met Pro Leu Gly Lys Leu Ser Xaa Xaa			
143	660	665	670	
144				

sel item 10
or
Eirn
fleet

Input Set: I236995.RAW

145 aat att gag raa gga ttt gaa gca tta act krg rta cmg rat tta ttt , 2064
 146 Asn Ile Glu Xaa Gly Phe Glu Ala Leu Thr Xaa Xaa Xaa Xaa Leu Phe
 147 675 680 685 *dem 10*
 W--> 148 gaa gga cac cgc tma tca agc act ggc ttg ttr gag aaa gct Qaa ttg 2112
 149 Glu Gly His Arg Xaa Ser Ser Thr Gly Leu Xaa Glu Lys Ala Xaa Leu
 150 690 695 700
 151 ttg ytg sga gcm ats syt ttt tca ctc tta tcc ctt cta ttc atc ctc 2160
 152 Leu Xaa Xaa Xaa Xaa Phe Ser Leu Leu Ser Leu Leu Phe Ile Leu
 153 705 710 715 720
 154 ata tta tac ggg atg agg atg att tca tat tca aag gcg aaa atg ctt 2208
 155 Ile Leu Tyr Gly Met Arg Met Ile Ser Tyr Ser Lys Ala Lys Met Leu
 156 725 730 735
 157 gaa gct ctg cag gat att gaa att gct tca aag ata gtt ggc ttc gat 2256
 158 Glu Ala Leu Gln Asp Ile Glu Ile Ala Ser Lys Ile Val Gly Phe Asp
 159 740 745 750
 160 agc gac agt gat gaa tct ctt gat gat aaa tat atg aaa ctt cac tgt 2304
 161 Ser Asp Ser Asp Glu Ser Leu Asp Asp Lys Tyr Met Lys Leu His Cys
 162 755 760 765
 163 gac atc acc ccg ctg gct cac gat agt gaa gat tac aag tta att gag 2352
 164 Asp Ile Thr Pro Leu Ala His Asp Ser Glu Asp Tyr Lys Leu Ile Glu
 165 770 775 780
 166 cag tat ctc ctc aac aca cat gct cct act cac aag gac tgg tcg ctg 2400
 167 Gln Tyr Leu Leu Asn Thr His Ala Pro Thr His Lys Asp Trp Ser Leu
 168 785 790 795 800
 169 gaa ctg gag gaa gtt ttt tca ctt gat cga gat gga gaa ctt aat aag 2448
 170 Glu Leu Glu Val Phe Ser Leu Asp Arg Asp Gly Glu Leu Asn Lys
 171 805 810 815
 172 tac tca aga tat aaa aat aat ctg cat aac aag atg cta tta tgg cac 2496
 173 Tyr Ser Arg Tyr Lys Asn Asn Leu His Asn Lys Met Leu Leu Trp His
 174 820 825 830
 175 ggt tca agg ttg acg aat ttt gtg gga att ctt agt caa ggg cta aga 2544
 176 Gly Ser Arg Leu Thr Asn Phe Val Gly Ile Leu Ser Gln Gly Leu Arg
 177 835 840 845
 178 att gca cct cct gag gca cct gtt act ggc tat atg ttc ggc aaa ggc 2592
 179 Ile Ala Pro Pro Glu Ala Pro Val Thr Gly Tyr Met Phe Gly Lys Gly
 180 850 855 860
 181 ctc tac ttt gca gat cta gta agc aag agc gca caa tac tgt tat gtg 2640
 182 Leu Tyr Phe Ala Asp Leu Val Ser Lys Ser Ala Gln Tyr Cys Tyr Val
 183 865 870 875 880
 184 gat agg aat aat cct gta ggt ttg atg ctt ctt tct gag gtt gct tta 2688
 185 Asp Arg Asn Asn Pro Val Gly Leu Met Leu Leu Ser Glu Val Ala Leu
 186 885 890 895
 187 gga gac atg tat gaa cta aag aaa gcc acg tcc atg gac aaa cct cca 2736
 188 Gly Asp Met Tyr Glu Leu Lys Ala Thr Ser Met Asp Lys Pro Pro
 189 900 905 910
 190 aga ggg aag cat tcg acc aag gga tta ggc aaa acc gtg cca ctg gag 2784
 191 Arg Gly Lys His Ser Thr Lys Gly Leu Gly Lys Thr Val Pro Leu Glu
 192 915 920 925
 193 tca gag ttt gtg aag tgg agg gat gat gtc gta gtt ccc tgc ggc aag 2832
 194 Ser Glu Phe Val Lys Trp Arg Asp Asp Val Val Val Pro Cys Gly Lys

Input Set: I236995.RAW

195	930	935	940	
196	ccg gtg cca tca tca att agg agc tct gaa ctc atg tac aat gag tac			2880
197	Pro Val Pro Ser Ser Ile Arg Ser Ser Glu Leu Met Tyr Asn Glu Tyr			
198	945	950	955	960
199	atc gtc tac aac aca tcc cag gtg aag atg cag ttc ttg ctg aag gtg			2928
200	Ile Val Tyr Asn Thr Ser Gln Val Lys Met Gln Phe Leu Leu Lys Val			
201	965	970	975	
202	cgt ttc cat cac aag agg tag			2949
203	Arg Phe His His Lys Arg			
204	980			
205	<210> SEQ ID NO 2			
206	<211> LENGTH: 982			
207	<212> TYPE: PRT			
208	<213> ORGANISM: Zea mays			
209	<400> SEQUENCE: 2			
210	Met Ala Ala Pro Pro Lys Ala Trp Lys Ala Glu Tyr Ala Lys Ser Gly			
211	1 5 10 15			
212	Arg Ala Ser Cys Lys Ser Cys Arg Ser Pro Ile Ala Lys Asp Gln Leu			
213	20 25 30			
214	Arg Leu Gly Lys Met Val Gln Ala Ser Gln Phe Asp Gly Phe Met Pro			
215	35 40 45			
216	Met Trp Asn His Ala Arg Cys Ile Phe Ser Lys Lys Asn Gln Ile Lys			
217	50 55 60			
218	Ser Val Asp Asp Val Glu Gly Ile Asp Ala Leu Arg Trp Asp Asp Gln			
219	65 70 75 80			
220	Glu Lys Ile Arg Asn Tyr Val Gly Ser Ala Ser Ala Gly Thr Ser Ser			
221	85 90 95			
222	Thr Ala Ala Pro Pro Glu Lys Cys Thr Ile Glu Ile Ala Pro Ser Ala			
223	100 105 110			
224	Arg Thr Ser Cys Arg Arg Cys Ser Glu Lys Ile Thr Lys Gly Ser Val			
225	115 120 125			
226	Arg Leu Ser Ala Lys Leu Glu Ser Glu Gly Pro Lys Gly Ile Pro Trp			
227	130 135 140			
228	Tyr His Ala Asn Cys Phe Phe Glu Val Ser Pro Ser Ala Thr Val Glu			
229	145 150 155 160			
230	Lys Phe Ser Gly Trp Asp Thr Leu Ser Asp Glu Asp Lys Arg Thr Met			
231	165 170 175			
232	Leu Asp Leu Val Lys Lys Asp Val Gly Asn Asn Glu Gln Asn Lys Gly			
233	180 185 190			
234	Ser Lys Arg Lys Lys Ser Glu Asn Asp Ile Asp Ser Tyr Lys Ser Ala			
235	195 200 205			
236	Arg Leu Asp Glu Ser Thr Ser Glu Gly Thr Val Arg Asn Lys Gly Gln			
237	210 215 220			
238	Leu Val Asp Pro Arg Gly Ser Asn Thr Ser Ser Ala Asp Ile Gln Leu			
239	225 230 235 240			
240	Lys Leu Lys Glu Gln Ser Asp Thr Leu Trp Lys Leu Lys Asp Gly Leu			
241	245 250 255			
242	Lys Thr His Val Ser Ala Ala Glu Leu Arg Asp Met Leu Glu Ala Asn			
243	260 265 270			
244	Gly Gln Asp Thr Ser Gly Pro Glu Arg His Leu Leu Asp Arg Cys Ala			

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

L

Input Set: I236995.RAW

Line ? Error/Warning

Original Text

115 W "N" or "Xaa" used: Feature required
118 W "N" or "Xaa" used: Feature required
148 W "N" or "Xaa" used: Feature required
270 W "N" or "Xaa" used: Feature required
272 W "N" or "Xaa" used: Feature required
274 W "N" or "Xaa" used: Feature required
276 W "N" or "Xaa" used: Feature required
292 W "N" or "Xaa" used: Feature required
294 W "N" or "Xaa" used: Feature required
296 W "N" or "Xaa" used: Feature required
298 W "N" or "Xaa" used: Feature required

gra tgg gaa aag cat ata caa tgc amc ctt a
cac nag gtg tgy aca ggc tac tat gta ctc c
gaa gga cac cgc tna tca agc act ggc ttg t
Ser Ser Lys Gly Xaa Thr Val Thr Val Lys V
Cys Ser Xaa Ser Pro Xaa Val Cys Lys Asn T
Xaa Trp Glu Lys His Ile Gln Cys Xaa Leu L
His Xaa Val Xaa Thr Gly Tyr Tyr Val Leu G
Phe Glu Xaa Asn Met Ser Glu Met Pro Leu G
Asn Ile Glu Xaa Gly Phe Glu Ala Leu Thr X
Glu Gly His Arg Xaa Ser Ser Thr Gly Leu X
Leu Xaa Xaa Xaa Xaa Phe Ser Leu Leu S